

National Inventory of Dams (NID)

**Rebecca Ragon, Program
Manager**

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NID History

- ◆ **1972: PL 92-367, National Dam Inspection Act - Corps to carry out a national dam inspection program, which included an inventory of dams**
- ◆ **1986: WRDA; expanded definition of dam, re-authorization of Corps to continue development of a national inventory**
- ◆ **1989: USACE-FEMA MOA; FEMA assumed responsibility to maintain and update inventory with authorized funds; CD updates produced in 1992, 1994, and 1996.**
- ◆ **1996: WRDA; Corps re-authorized to maintain inventory; Corps resumed lead responsibility to exploit map-based publication tools and updated data collection software.**
- ◆ **1998: CD and Web updates**
- ◆ **2000: WRDA; Corps re-authorized**
- ◆ **2002-2004: National Dam Safety and Security Act of 2002 reauthorized USACE; collected NID data and published updated NID data on Internet in Feb 2005**
- ◆ **2005-2007: USACE collects and compiles NID data**
- ◆ **2006-2007: Dam Safety Act of 2006 reauthorized the maintenance and update of NID; published the 2007 NID**
- ◆ **2008: USACE collects NID data; launches new NID web site with new security restrictions**

NID Data Contributors

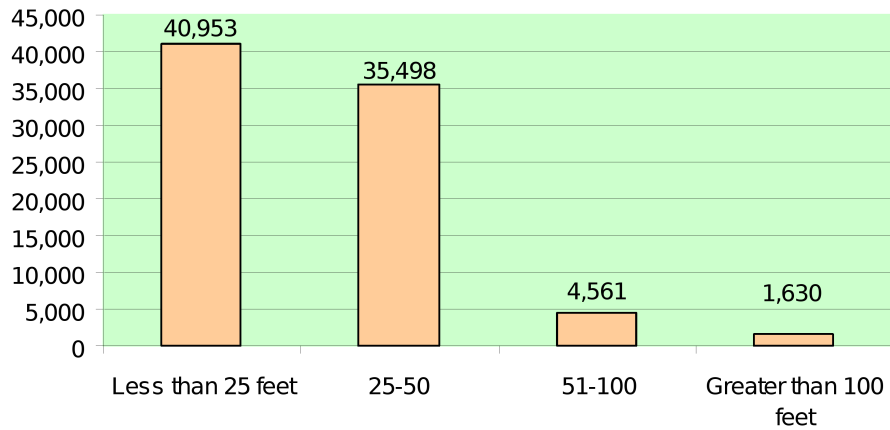
- ◆ USACE collects inventory data from all 50 states, Puerto Rico and 17 federal offices
 - ◆ The federal agencies own or regulate 5% of the dams in the U.S.
 - ◆ The state dam safety offices regulate 85% of the dams included in the NID
 - ◆ A new NID has been published every two years
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- A stylized, layered mountain range graphic in shades of teal and blue, located in the bottom right corner of the slide.

NID Inclusion Criteria

- ◆ All high hazard potential classification dams
- ◆ All significant hazard potential classification dams
- ◆ Low hazard or undetermined potential classification dams which
 - Equal or exceed 25 feet in height and which exceed 15 acre-feet in storage, or
 - Equal or exceed 50 acre-feet storage and exceed 6 feet in height.

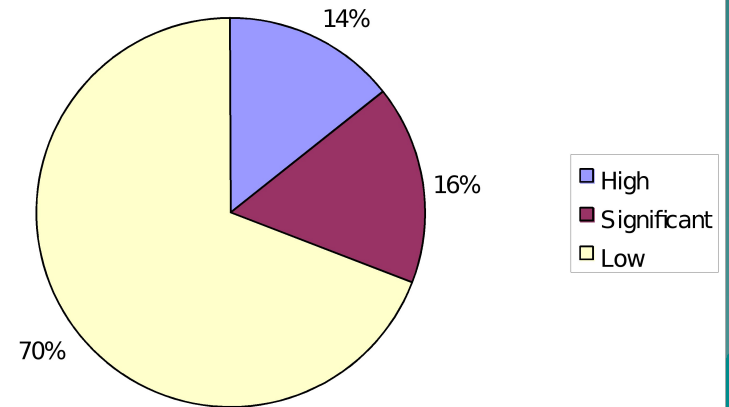
NID Statistics

Dams by Height



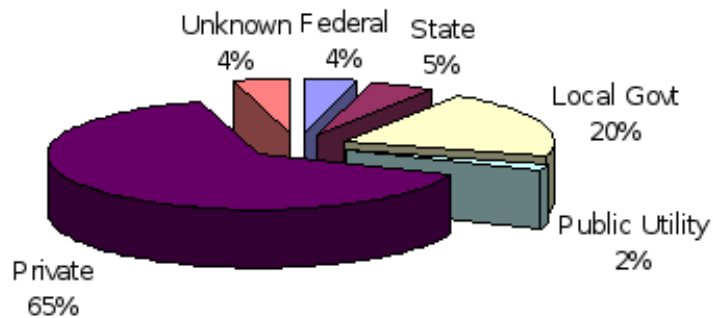
Total – 82,642 dams

Dams by Hazard Potential Category

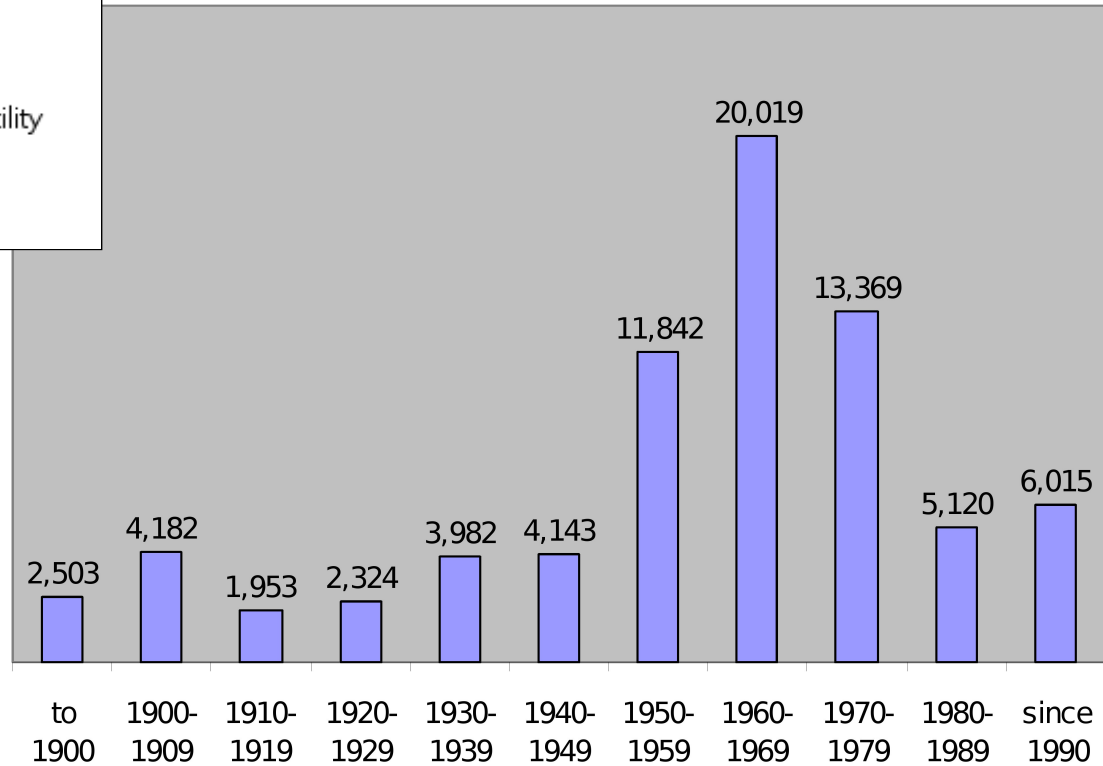


NID Statistics

Dams by Owner Type



Dams by Completion Year



Total - 82,642 dams

NID Data Fields

Dam or Lake Name	State or Fed ID	NID ID
Owner Type	Owner Name	Dam Designer
Private Dam on Fed Property (Y/N)		Dam Length
Dam Height	Maximum Discharge	Dam Storage
Surface Area	Drainage Area	Dam Type
Dam Core Type	Foundation Type	Purpose
Year Completed	Year Modified	Modification Type
State Regulated Dam	State Regulated Agency	Spillway Type
Spillway Width	Outlet Gates	Volume of Dam
Source of Information	State	Congressional Representative
Congressional District	Latitude	Longitude
County	River or Stream	Nearest City/Town *
Dist to Nearest City/Town *	Downstream Hazard Potential*	
Emergency Action Plan	Inspection Date	Inspection Frequency
Regulated by Federal Agency	Inspected by Federal Agency	

* *Restricted access to data*

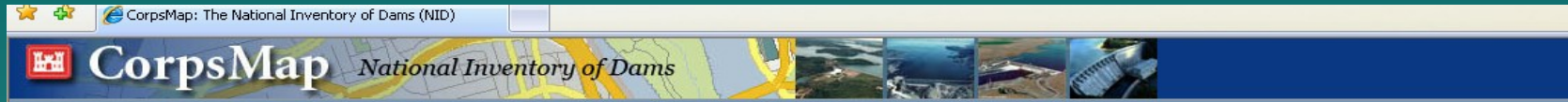
NID Data Summary

- ◆ USACE collects and publishes dam information approx every 2 years
- ◆ NID used by National Dam Safety Review Board and Association of State Dam Safety Officials to recommend dam safety policies
- ◆ FEMA uses NID to determine state-assistance grants
- ◆ NID informs the public of general dam information, such as where the dams are located and their purpose
- ◆ NID Web Site – <https://nid.usace.army.mil>

New NID Web Site

- ◆ National Dam Safety Review Board recommended to restrict access to the NID
 - Three data fields no longer available to the public: hazard, city, distance to city
 - Public (non-government) users cannot download any data or be given any aggregate data
 - Must have username/password to query the database
- ◆ With these new mandates, TEC looked to CorpsMap to host the new restricted access NID web site
- ◆ The previous site (1998-2007) hosted at TEC had been open to all users and the data could be easily exported by anyone

New NID Web Site



Users must accept the DoD certificate to enter the site. To query the database, must request a username/password.



Enter the National Inventory of Dams

